

# 1D Motion

## Physics Writing Assignment

Using the words listed below, write a short essay in a logical and thorough manner. Use any prior knowledge about 1D motion in this assignment. Please think about 1D in terms of your hobby and apply some of these concepts to it. The more you write the better the grade you will receive.

### Before you begin the writing process you must:

- Create a concept map showing the link between concepts. In part, this will help you understand what words are related. This is a picture of your understanding.
  - Define any words that are unclear to you.
  - Elaborate and find examples of the concepts.

### Writing the short essay:

- Utilize your cmap to for not only your individual sentences but also your paragraphs and linking phrases.
- Be precise (exact, accurate, and well defined)
- Detailed (comprehensive, in depth, thorough)
- All words from the word bank must be underlined

### Examples of to get a better grade on this writing assignment:

- use other examples than those given in class
- search the Internet for additional ideas on the subject
- use more scientific words than are listed in the word bank
- be creative
- use proper grammar.

### Word Bank

- |                 |                      |                |
|-----------------|----------------------|----------------|
| • 1D motion     | • frame of reference | • space        |
| • free fall     | • vector             | • velocity     |
| • motion map    | • graph              | • displacement |
| • position      | • scalar             | • acceleration |
| • instantaneous | • constant           |                |
| • average       | • time               |                |

### Submission:

- Your cmap **must** be saved in your NHS Student folder through CmapTools
- An image of your cmap **must** be on the first page of your short essay. This will act as the abstract to your essay. CmapTools
- You may upload your into Moodle by Sunday, Nov 13 at 11:55 PM or there will be 5 points taken off per day.

### Grade: (1 test question, 25 points test)

- 12.5 points: Concept map rubric: <http://cmapspublic3.ihmc.us/rid=1HNLFTF2L-17B9NR8-J2Q/Concept%20Map%20grading%20sheet.pdf>
- 12.5 points: NHS Writing Rubric  
[http://oldwww.nps.org/highschool/templates/academics/rubric\\_2writing.pdf](http://oldwww.nps.org/highschool/templates/academics/rubric_2writing.pdf)